

**The Commonwealth of Massachusetts  
Department of State Police  
305 South Street, Jamaica Plain, MA 02130  
617-983-6622**

DEVAL L. PATRICK  
*GOVERNOR*

TIMOTHY P. MURRAY  
*LIEUTENANT GOVERNOR*

MARY ELIZABETH HEFFERNAN  
*SECRETARY*

COLONEL TIMOTHY P. ALBEN  
*SUPERINTENDENT*

07/24/12

Elle Rackemann  
Assistant District Attorney, Suffolk County

Ms. Rackemann,

Enclosed is the information you requested. Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Analysis sheet with chemist's hand notations and test results.
3. GC/MS analytical data for sample # [REDACTED]

If you have any questions about these materials, please call me at the number below.

Sincerely,  
  
Kate Corbett  
Chemist II  
Drug Analysis Lab  
(617) 983-6632



## **DRUG RECEIPT**

CC # \_\_\_\_\_  
BOOK # 68  
PAGE # 54  
DESTRUCTION # \_\_\_\_\_

District/Unit D-4 Sen

Name & Rank of Arresting Officer Sgt Jeff Keegan ID# 10652

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sybil White ID# 11069

Received by \_\_\_\_\_ Date 1-10-11

ECU Control # \_\_\_\_\_

# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Boston

ANALYST

KAC

No. of samples tested:

Evidence Wt.

OK

## PHYSICAL DESCRIPTION:

4 orange tablets



Gross Wt ( ):

Gross Wt ( ):

Pkg. Wt:

Net Wt: 1.5493g

## PRELIMINARY TESTS

### Spot Tests

Cobalt

Thiocyanate ( )

Marquis

Froehde's

Mecke's

### Microcrystalline Tests

Gold

Chloride

TLTA ( )

### OTHER TESTS

Nicomedex ( ) for  
Buprenorphine

## PRELIMINARY TEST RESULTS

RESULTS

Buprenorphine

DATE

5/1/12

## GC/MS CONFIRMATORY TEST

RESULTS

Buprenorphine

MS  
OPERATOR

KAC

DATE

5/3/12

## Drug Information



**DRUG NAME:** SUBOXONE TABLET

**INGREDIENTS:** BUPRENORPHINE -- 8 MG  
NALOXONE -- 2 MG

**Color:** orange

**NDC:** 12496-1306-02

**Shape:** Six-sided

**Regulatory Status:** Schedule III

**Imprint:** N8 Sword Logo

**Availability:** United States

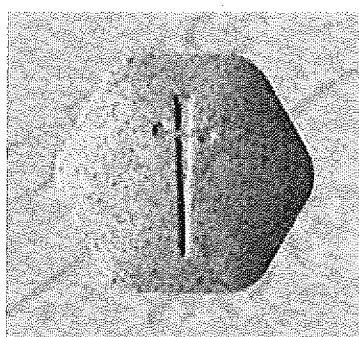
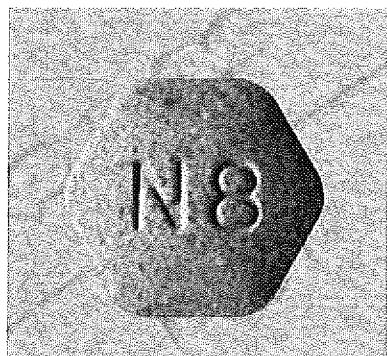
**Form:** Sublingual Tablet

**Product ID:** 6370996

**Available-Container-Size:** Bottle of 30

**Contact:** Reckitt Benckiser  
Pharmaceuticals

**AAPCC Code:** 200625 -  
Buprenorphine



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*TRV/PB*

<http://www.thomsonhc.com/micromedex2/librarian/PFDefaultActionId/evidenceexpert.Dis...> 4/25/2012

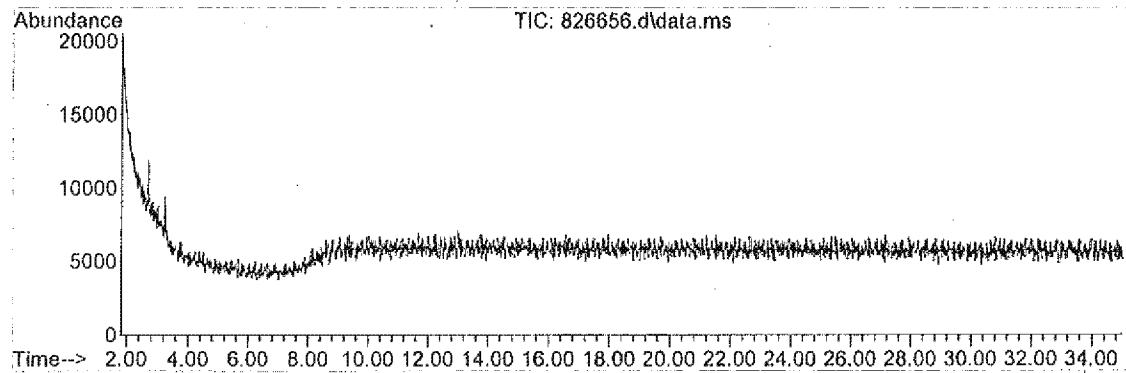
Area Percent / Library Search Report

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Information from Data File:

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Operator : KAC  
Date Acquired : 2 May 2012 4:01  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

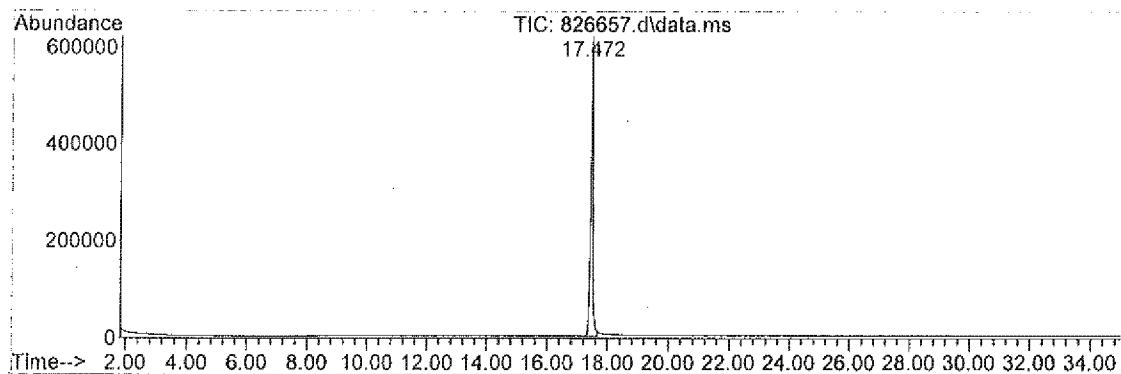
Area Percent / Library Search Report

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Information from Data File:

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Operator : KAC  
Date Acquired : 2 May 2012 4:40  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 57  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
17.472	3193316	100.00	100.00

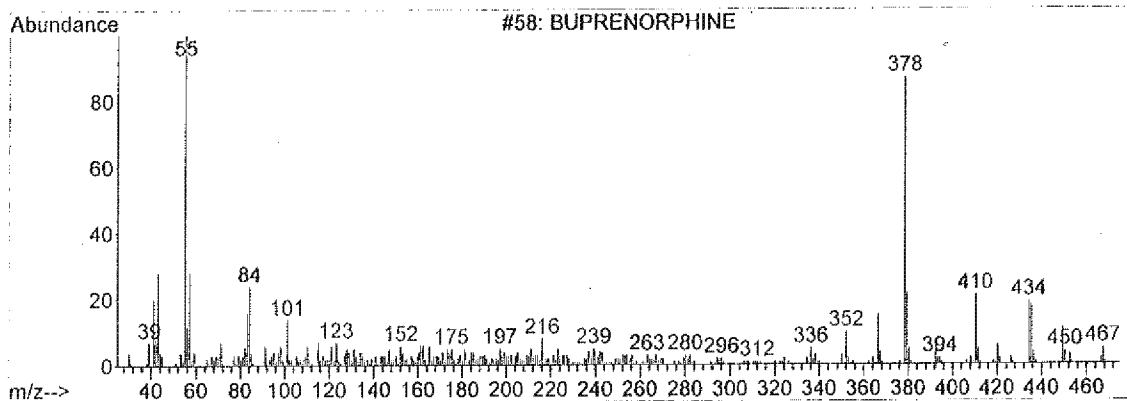
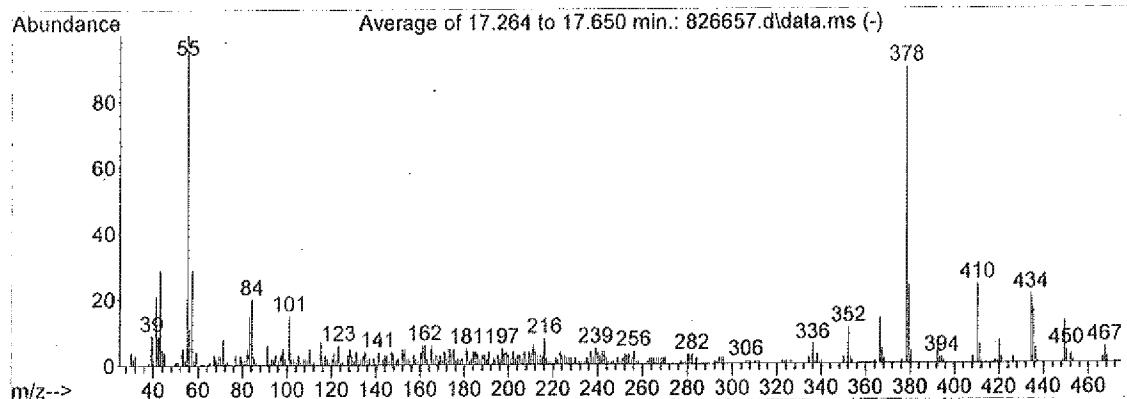
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## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826657.d  
Operator : KAC  
Date Acquired : 2 May 2012 4:40  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 57  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	17.47	C:\Database\SLI.L		
		BUPRENORPHINE	052485-79-7	99
		BURPENORPHINE	052485-79-7	99



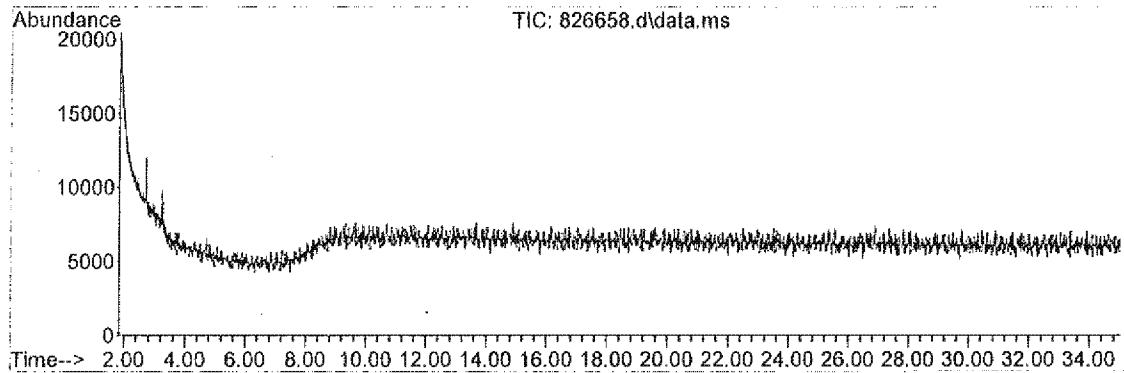
Area Percent / Library Search Report

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Operator : KAC  
Date Acquired : 2 May 2012 5:19  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

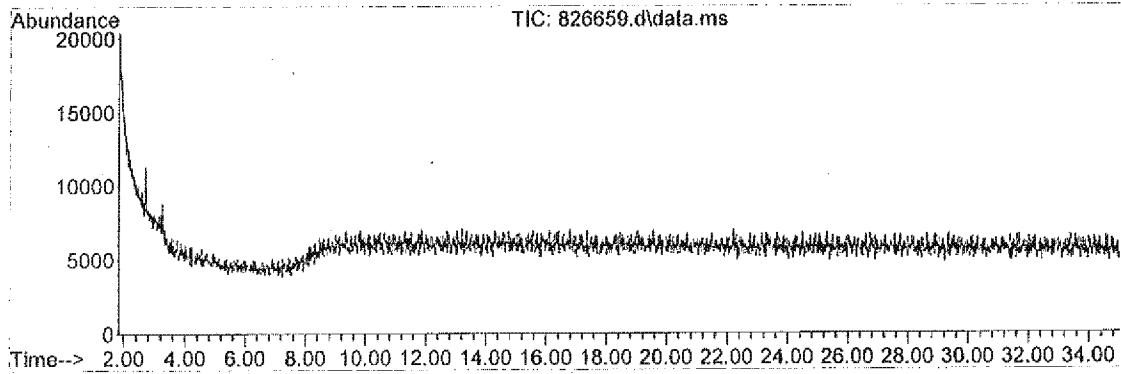
Area Percent / Library Search Report

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Operator : KAC  
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Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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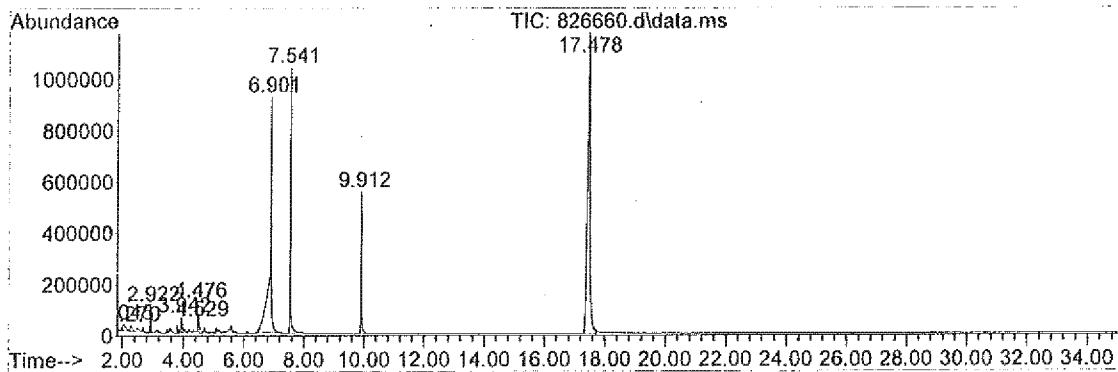
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.045	169113	1.22	2.45
2.270	103143	0.75	1.49
2.922	152149	1.10	2.20
3.942	129466	0.94	1.88
4.476	165732	1.20	2.40
4.529	107744	0.78	1.56
6.901	3735634	27.04	54.10
7.541	1340836	9.71	19.42
9.912	1006694	7.29	14.58
17.478	6904709	49.98	100.00

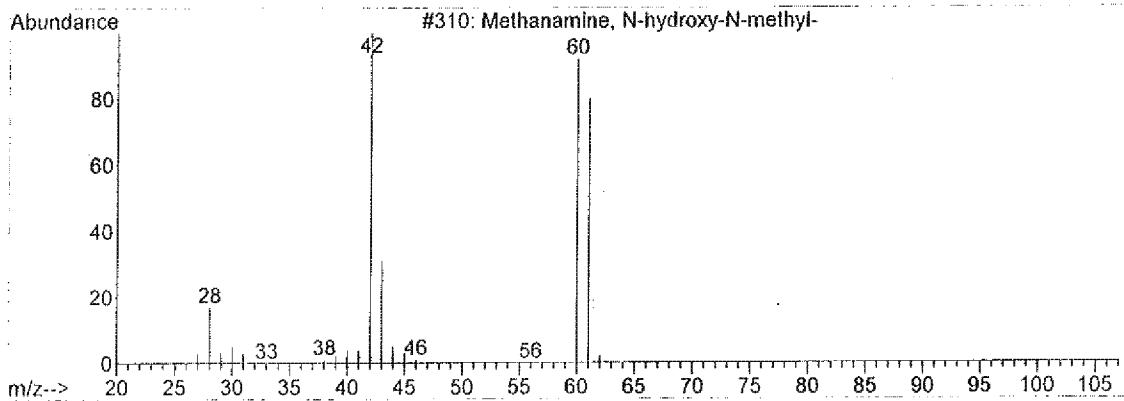
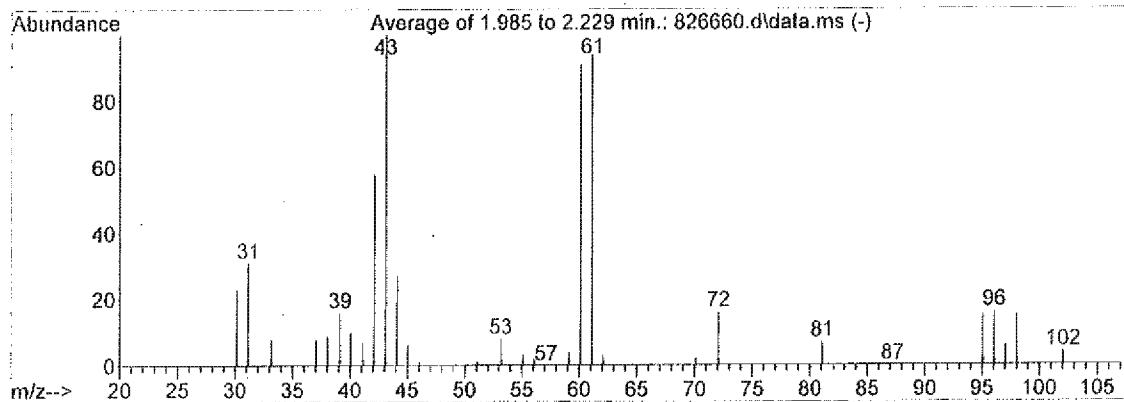
## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.04	C:\Database\NIST08.L		
		Methanamine, N-hydroxy-N-methyl-	005725-96-2	38
		Methanamine, N-hydroxy-N-methyl-	005725-96-2	28
		dl-Serine	000302-84-1	23

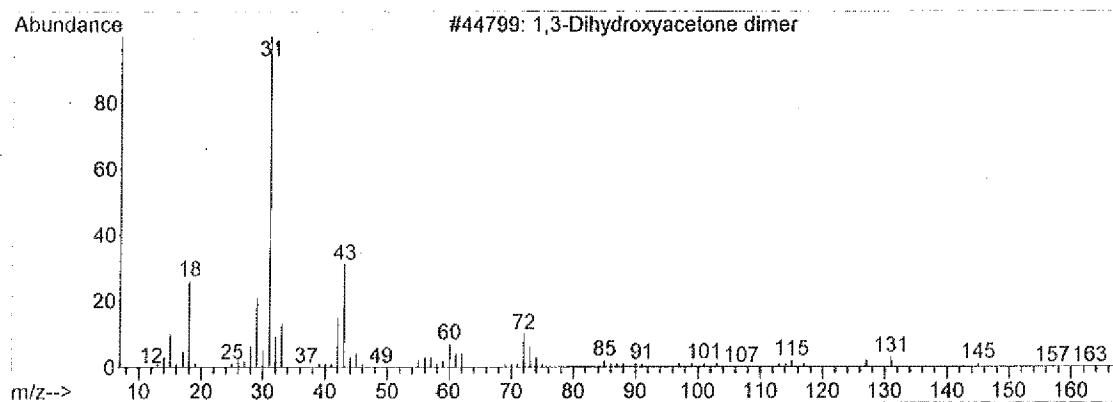
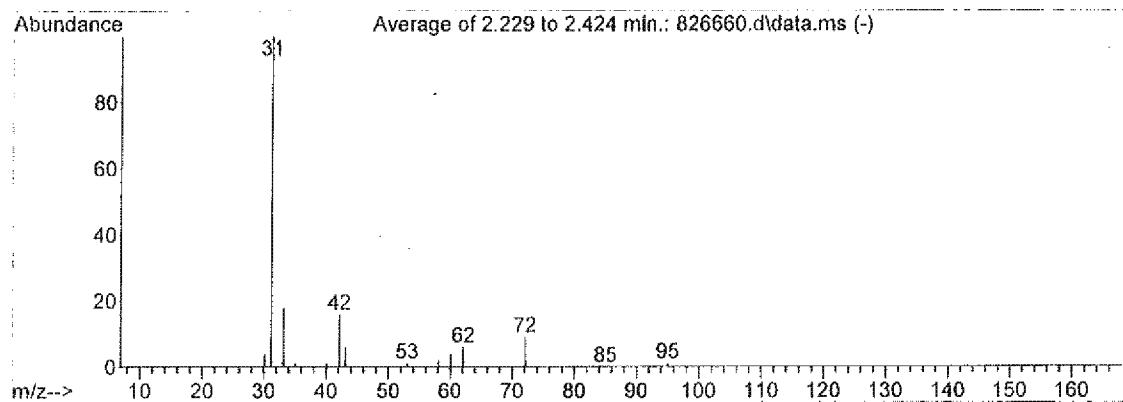


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File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.27	C:\Database\NIST08.L		
		1,3-Dihydroxyacetone dimer	062147-49-3	64
		2-Propanone, 1,3-dihydroxy-	000096-26-4	40
		Acetic acid, hydroxy-, methyl ester	000096-35-5	39

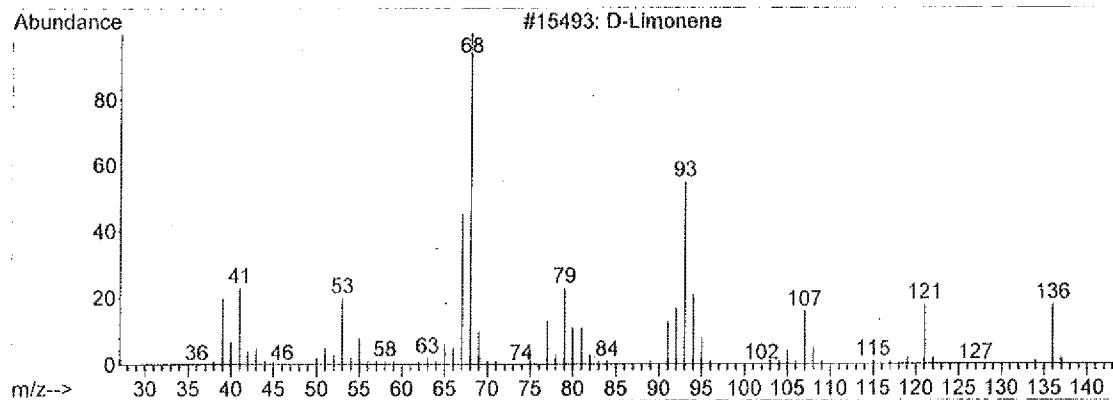
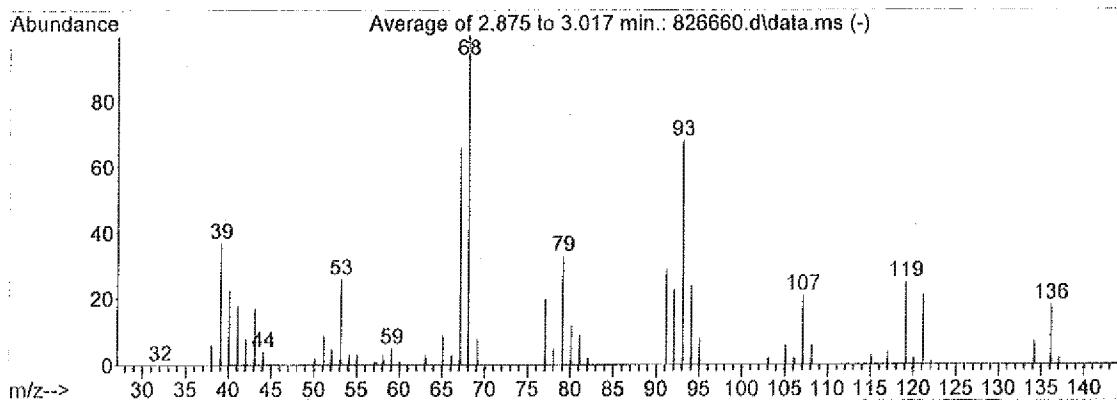


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Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	2.92	C:\Database\NIST08.L		
		D-Limonene	005989-27-5	93
		D-Limonene	005989-27-5	93
		Cyclohexene, 1-methyl-4-(1-methylet	007705-14-8	93



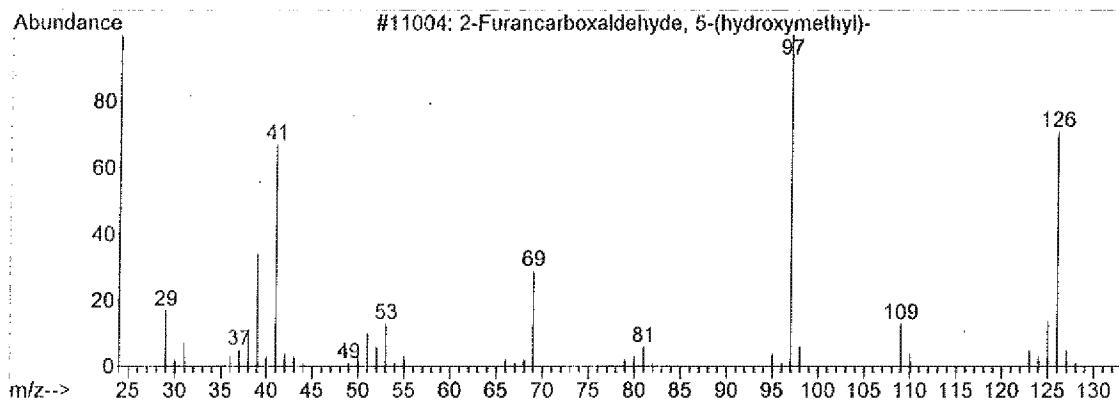
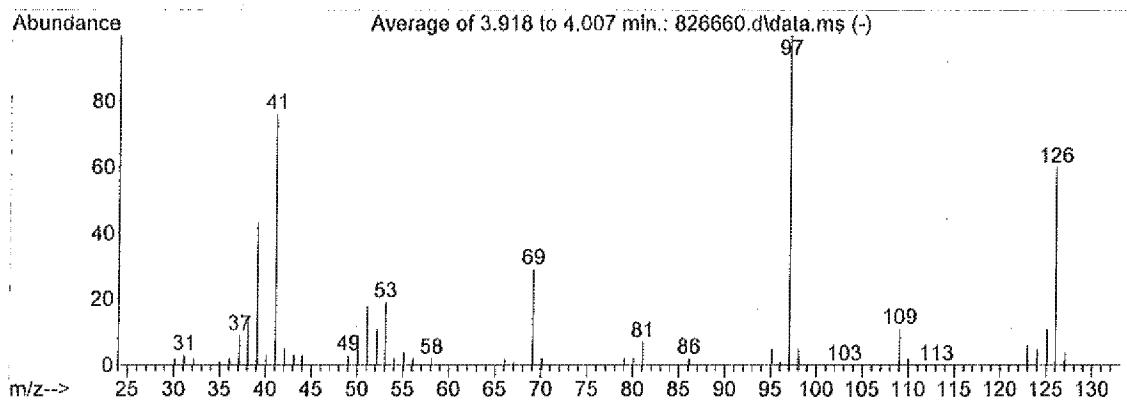
## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	3.94	C:\Database\NIST08.L		
		2-Furancarboxaldehyde, 5-(hydroxymethyl)-	000067-47-0	64
		2-Furancarboxaldehyde, 5-(hydroxymethyl)-	000067-47-0	60
		Thiophene, 2-propyl-	001551-27-5	38

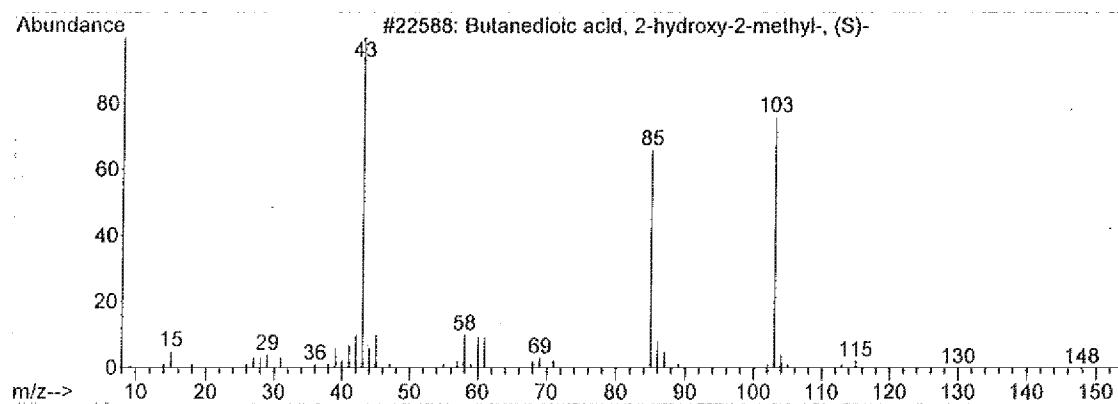
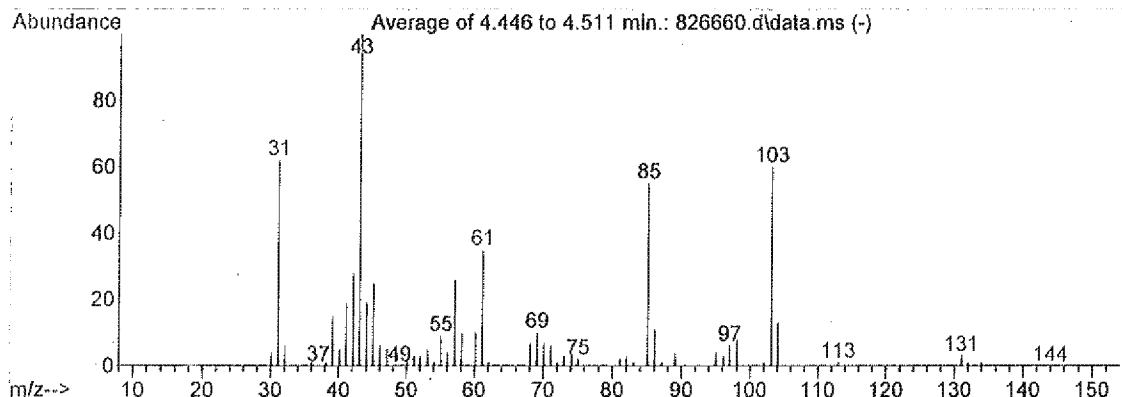


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Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
5	4.48	C:\Database\NIST08.L		
		Butanedioic acid, 2-hydroxy-2-methyl	006236-09-5	43
		Butanoic acid, 3-oxo-, 2-methylprop	007779-75-1	38
		Butanoic acid, 3-oxo-, hexyl ester	013562-84-0	32

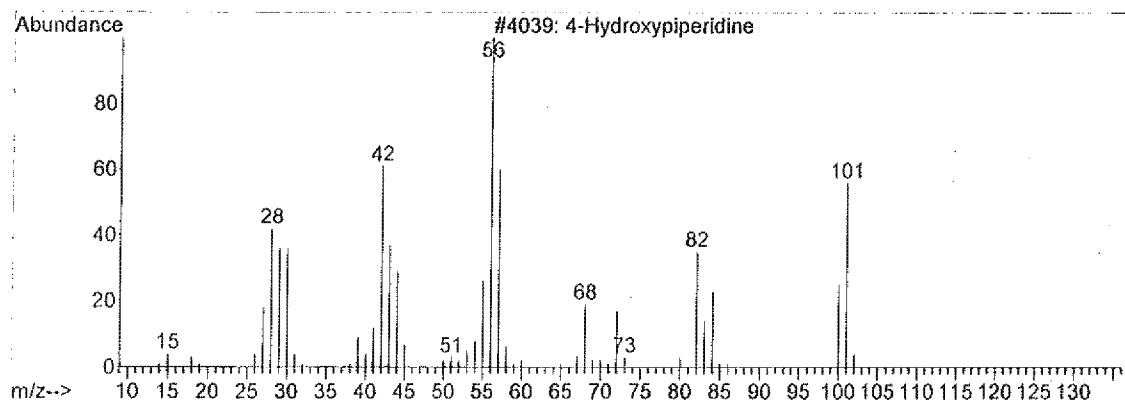
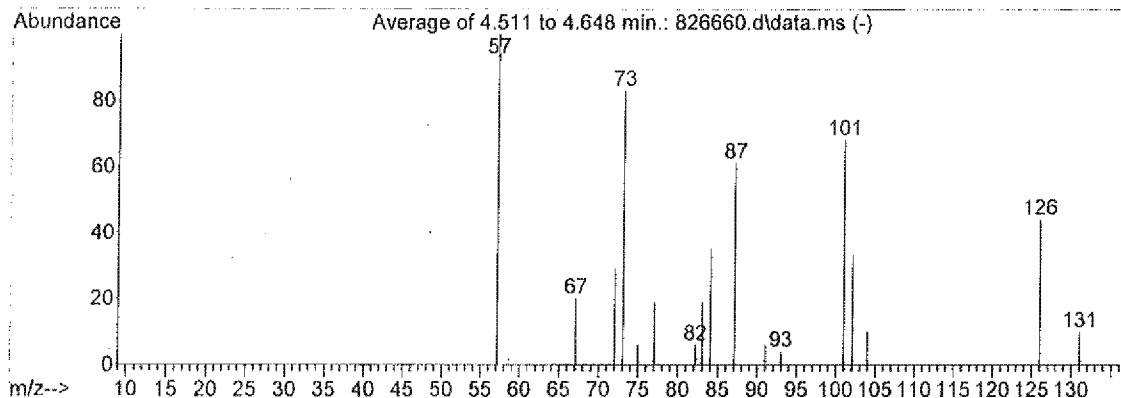


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Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
6	4.53	C:\Database\NIST08.L		
		4-Hydroxypiperidine	005382-16-1	16
		4-Hydroxypiperidine	005382-16-1	12
		4-Ethyl-4-heptanol	000597-90-0	12



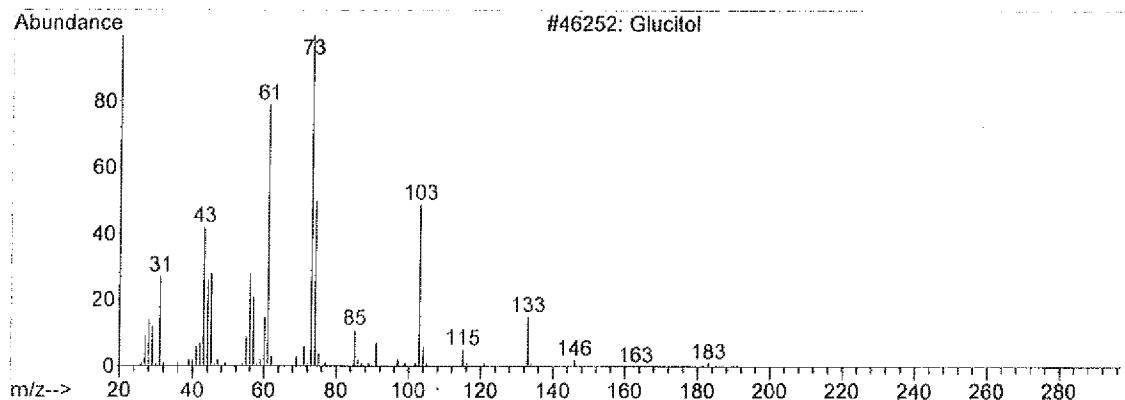
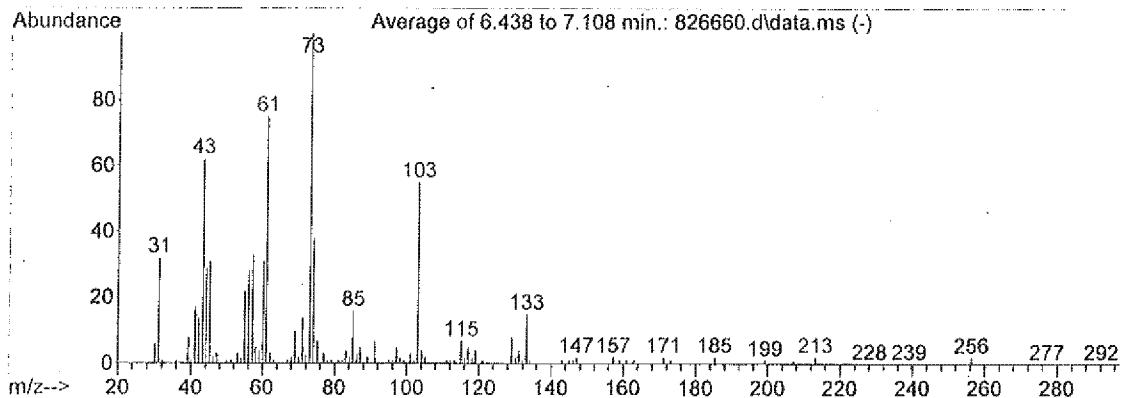
Area Percent / Library Search Report

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Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
7	6.90	C:\Database\NIST08.L		
		Glucitol	026566-34-7	91
		Sorbitol	000050-70-4	87
		Sorbitol	000050-70-4	83

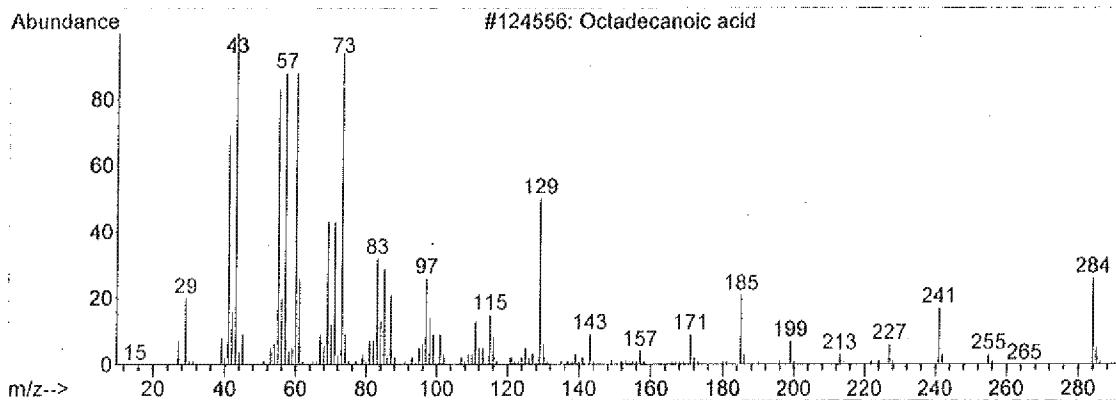
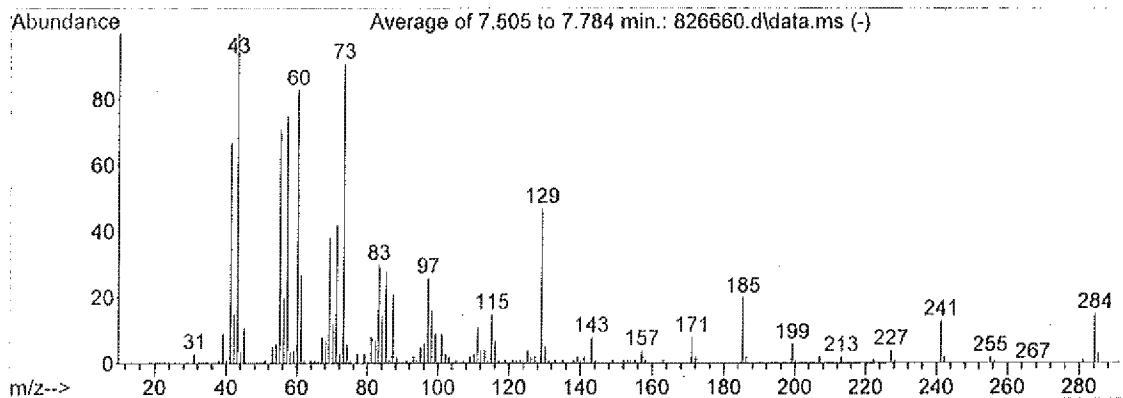


## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
8	7.54	C:\Database\NIST08.L		
		Octadecanoic acid	000057-11-4	99
		Octadecanoic acid	000057-11-4	97
		Octadecanoic acid	000057-11-4	96



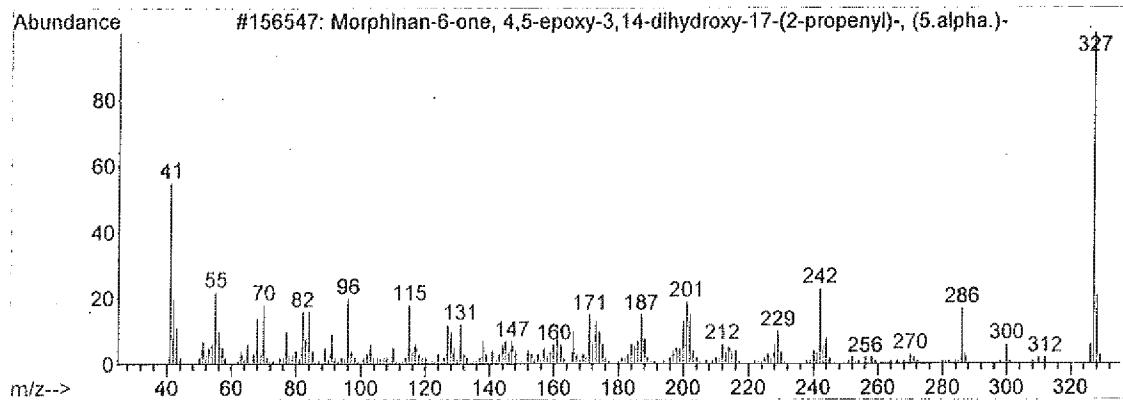
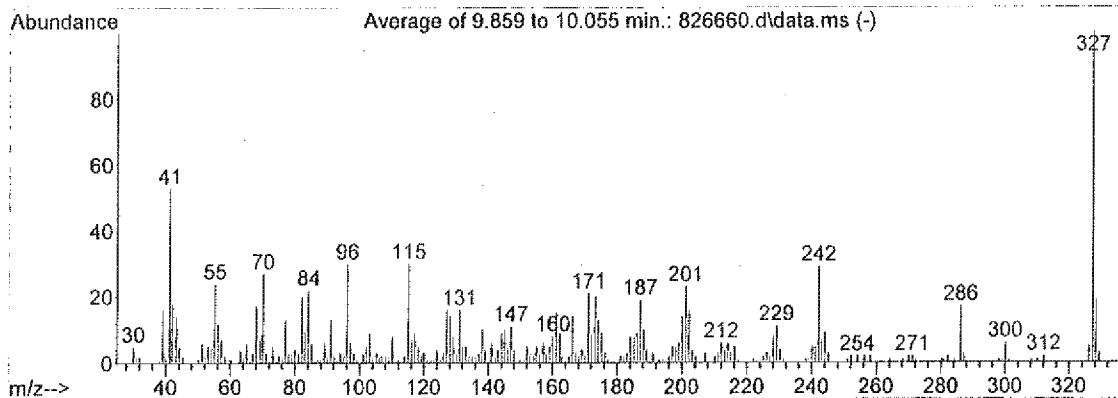
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## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
9	9.91	C:\Database\NIST08.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	96
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	89

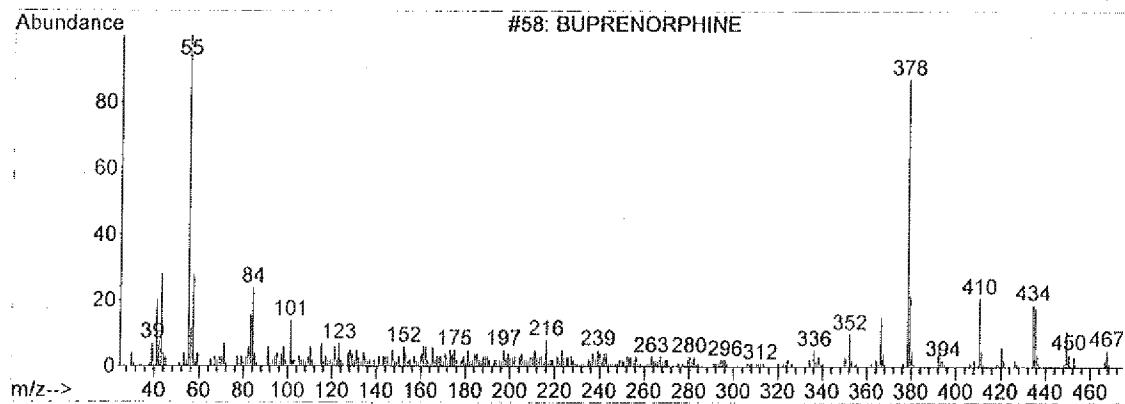
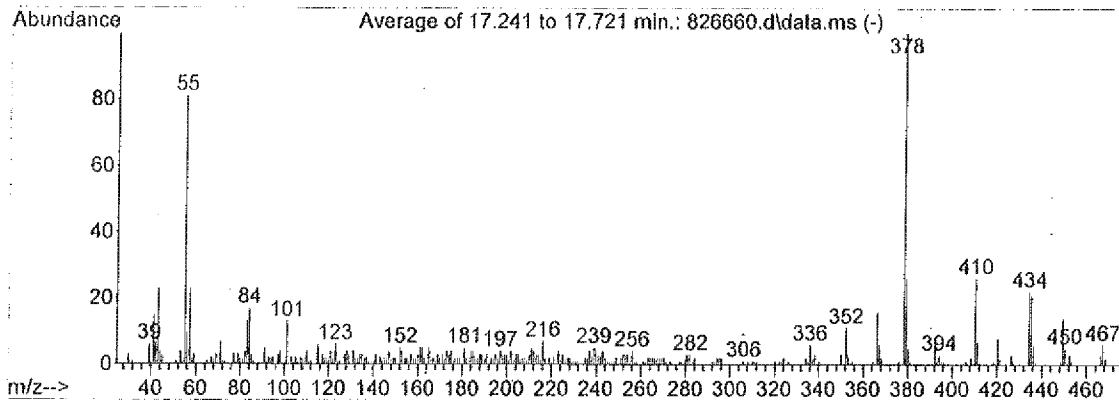


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File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

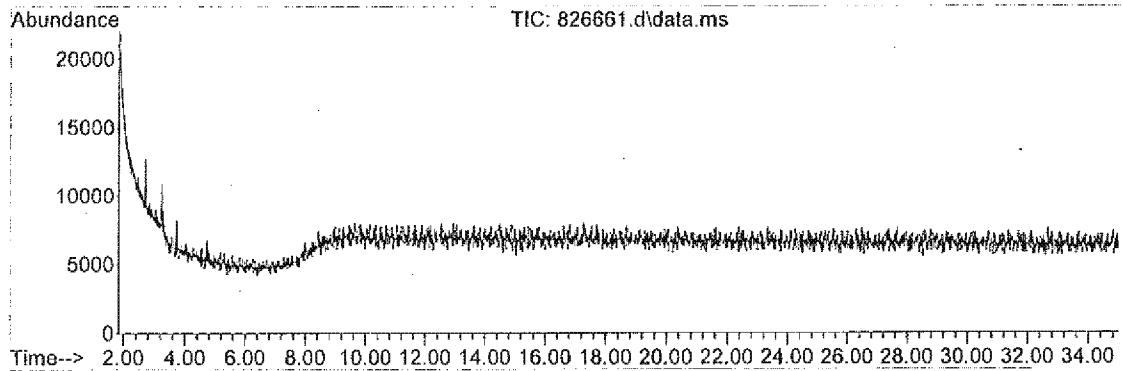
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
10	17.48	C:\Database\SLI.L		
		BUPRENORPHINE	052485-79-7	99
		BURPENORPHINE	052485-79-7	99



## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826661.d  
Operator : KAC  
Date Acquired : 2 May 2012 7:16  
Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

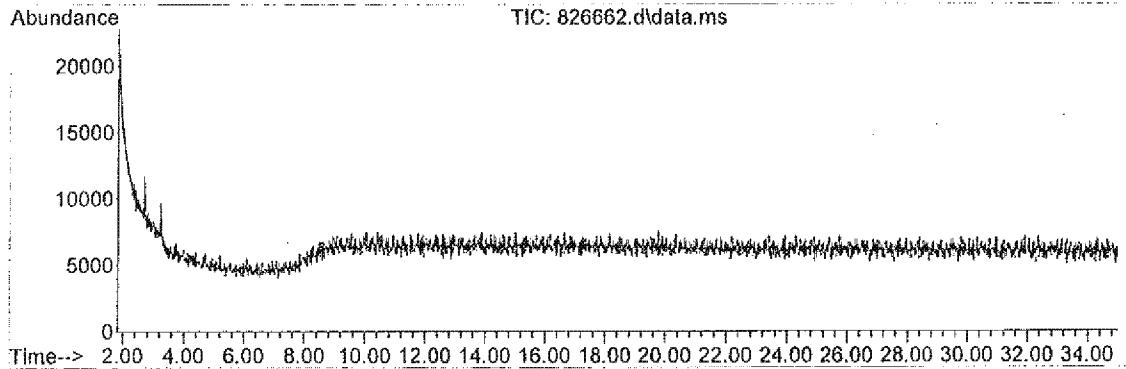


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826662.d  
Operator : KAC  
Date Acquired : 2 May 2012 7:55  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE



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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

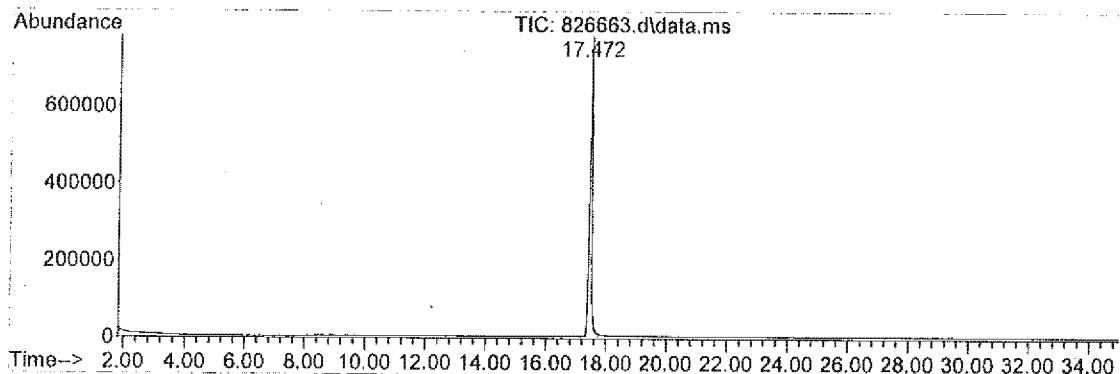
Area Percent / Library Search Report

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Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826663.d  
Operator : KAC  
Date Acquired : 2 May 2012 8:34  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 57  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
17.472	4215330	100.00	100.00

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## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826663.d  
Operator : KAC  
Date Acquired : 2 May 2012 8:34  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 57  
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Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	17.47	C:\Database\SLI.L		
		BUPRENORPHINE	052485-79-7	99
		BURPENORPHINE	052485-79-7	99

